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| REPORT DOCUMENTATION PAGE | READ INSTRUCTIONS BEFORE COMPLETING FORM |
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| A TITLE (and Substitute) | 5. TYPE OF REPORT & PERIOD COVERE |
| 19304A MLRS, | |
| Missile No☆ BK002, BN007, BN008 | ., |
| Round No. V-146/MD-13, V-147/MD-14, V-148/MD-15 | 6 PERFORMING ONG. REPORT NUMBER |
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| Atmospheric Sciences Laboratory | May 1981 |
| White Sands Missile Range, New Mexico 88002 | 26 |
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INTRODUCTION

19304A MLRS, Missile Numbers BK002, BN007, and BN008, Round Numbers V-146/MD-13, V-147/MD-14, and V-148/MD-15, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 1511:00, 1511:05, and 1511:10 MDT, 26 May 1981. The scheduled launch times were 1400:00, 1400:04.5, and 1400:09 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

- a. Surface
- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m 3), wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.
 - b. Upper Air
- (1) Low level wind data were obtained from RAPTS T-9 pibal observations at:

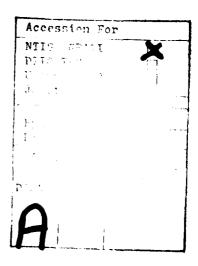
SITE AND ALTITUDE

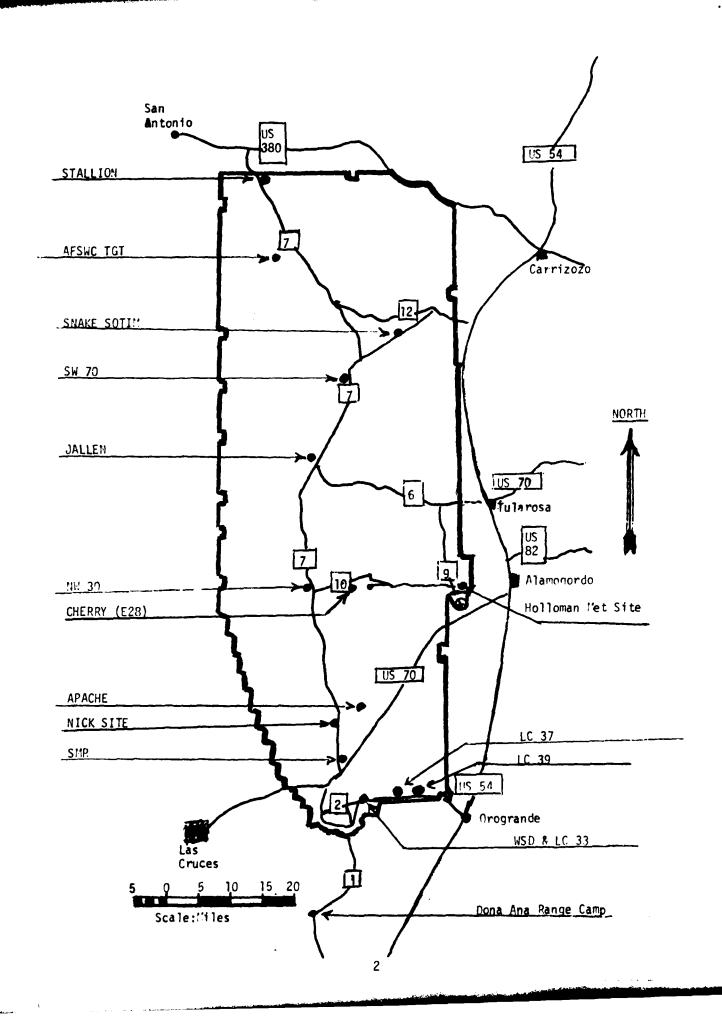
LC-33 2 KM SMR 2 KM

(2) Air structure data (rawinsonde) were collected at the following Met Sites:

SITE AND TIME

| LC-37 | 1100 | MDT |
|-------|------|-----|
| WSD | 1200 | MDT |
| LC-37 | 1300 | MDT |
| WSD | 1511 | MDT |





PROJECT SURFACE OBSERVATION

| TABLE | 1 | | | | | | Ο, | STATION LC-33 | .c-33 | | |
|----------------|-----------------------------------|---------------|-------------|--------------------|-----|---------------------------|------------------------------|---------------------|----------------------|--|-----------------|
| DATE 26 | DATE 26 MAYTH YEAR | 1881 | l | | | | | (= 484,982.64 | <u></u> | X= 484,982.64 Y= 185,957,73 H= 3983.00 | 3983,00 |
| 11ME M D _1 | PRESSURE TEHPERATURE mbs of oC | TE: PER OF | ATURE OC | DEW POINT OF OC | [| PELATIVE HUMIDITY % | DENSITY gm/m ³ | DIRECTIC degs Tr | WIND SPEED kts | WIND ON SPEED CHARACTER A kts | VISIBIL- ITY |
| 1511 | 875.2 | | 32.5 | | 4.8 | 18 | 991 | 320 | 88 | | 20 |
| | | - | | | | • | | | | | , , |
| | | | | | | | | | | | |

| REMARKS | | | | | | | | | | | | | | | | | | |
|--|-----------|--------|----|-----------|--|--|--|---|-----|-----|---|---|--|----|------------|------------|--|-----------|
| | | | | | | | | | | | | | | | | | | |
| SOLIO LO | 3rd LAYER | PE HG | | | | | | | | | | | | | | | | |
| | | AMT TY | | | | | | | | | | | | | | | | |
| | 2nd LAYER | R | | CI 25,000 | | | | | | | | | | | | | | |
| | | TYPE | ΙЭ | | | | | | | | | | | | | | | |
| | | AMT | 2 | | | | | | | | | | | | | | | |
| | | | | | | | | α | αí. | ۵í. | ď | ď | | a: | <u>α</u> : | <u>a</u> : | | AC 16,500 |
| | | TYPE | AC | | | | | | | | | | | | | | | |
| | Js | AMT | 4 | | | | | | | | | | | | | | | |
| OBSTRUCTIONS St LAYER TO VISIBILITY AMT TYPE HGT | | | | | | | | | | | | | | | | | | |

| TATION | | | | | | |
|---------------------------|-----------|-----------------|----------------|----------------|-----------|----------------|
| IC COME | 1511 | 32.5 | 15.9 | 16.6 | 4.8 | 01 |
| PSYCHROMETRIC COMENTATION | TIME: MOT | ORY BULB TEI'P. | WET BULB TEIP. | WET BULS DEPR. | DEW POINT | RELATIVE HIMIN |

| POLE #1 X485,874.29 Y185,958.90 H4018.74 38.7 ft. AGL | | X485,876 Y186,012 H4033.5 | POLE #2 X485,874.93 Y186,012.00 H4033.57 53.0 ft. AGL | | | POLE #3 X435,377 / 1 Y136,116.06 H4063.92 83.6 ft. AGL | | |
|---|------------|---------------------------------|---|------------|----------------|--|------------|-------------|
| T-TIME SEC | DIR DEG | SPEED KTS | T-TIME SEC | DIR DEG | SPLEN (+ TS | T-TIME SEC | DEG DEG | PEED RTS |
| I-30 | 288 | 13 | T-30 | 295 | 10 | T-30 | 292 | 14 |
| <u>T-20</u> | 278 | 12 | T-20 | 285 | 10 | T-20 | 287 | 11 |
| T-10 | 273 | 10 | <u> T-10</u> | 282 | 09 | T-10 | 283 | 12 |
| T0.0 | 267 | 10 | T0.0 | 282 | 07 | T 1.0 | 289 | 11 |
| T+10 | 268 | 10 | <u> T+1:)</u> | 266 | 08 | T+10 | 273 | 10 |

| TABLE 3 LC-33 METEOROLOGICAL | TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER) |
|------------------------------|--|
|------------------------------|--|

| LEVEL #1, 1. X484,982.64 | | 73, H3983.00 (base) | LEVEL #2, 62 FEET X484.982.64, Y185,057.73, H3983.00 (base) | | | |
|-----------------------------|---------|---------------------|--|---------|-----------|--|
| T-TIME SEC | DIR DEG | SPEED KTS | T-TIME SEC | DIR DEG | SPEED KTS | |
| T-30 | 295 | 10 | T-30 | 294 | 10 | |
| T-20 | 288 | 09 | T-20 | 289 | 08 | |
| T-10 | 291 | 06 | T-10 | 285 | 09 | |
| T0.0 | 318 | 07 | T0.0 | 278 | 08 | |
| T+1 0 | 297 | 06 | T+10 | 290 | 08 | |

| LEVEL #3, 10 X484,982.64 | 02 FEET , Y185,057.7 | 3, H3983.00 (base) | LEVEL #4, 202 FEET X484,982, Y185,057.73, H3983.30 (base) | | | | |
|-----------------------------|-------------------------|--------------------|--|---------|------------|--|--|
| T-TIME SEC | DIR DEG | SPEED KTS | T-TIME SEC | DIP DEG | SPEED + TS | | |
| T-30 | 284 | 10 | T -30 | 288 | 10 | | |
| T-20 | 285 | 09 | T -20 | 284 | 11 | | |
| T-10 | 280 | 09 | T -10 | 282 | 10 | | |
| 10.0 | 287 | 09 | T 0.0 | 280 | 10 | | |
| T+10 | 287 | 10 | T +10 | 288 | 09 | | |

TABLE___4__

T-TIME PILOT-BALLOON MEASURED WINE DATA DATE 26 May 1981

 SITE:
 LC-33
 SITE:
 SMR

 TIME:
 1511 MDT
 TIME:
 1511 MDT

 WSTM COORDINATES:
 WSTM COORDINATES:

 X= 485,135.76
 X= 472,444.85

 Y= 185,919.24
 Y= 213,781.96

 H= 3988.57
 H= 4000.99

| LAYER MIDPOINT METERS AGL | DIRECTION DEGREES | SPEED KNOTS | LAYER MIDPOINT METERS AGL | DIPECTION DEGREES | SPEED KNOTS |
|------------------------------|-------------------|----------------|------------------------------|-------------------|----------------|
| SURFACE | 320 | 80 | SURFACE | | |
| 150 | 298 | 10 | 150 | | |
| 210 | 289 | 80 | 210 | DATA | INVALID |
| 270 | 298 | 06 | 270 | | |
| 330 | 264 | 04 | 330 | DUE TO | TRACKING |
| 3 90 | 271 | 07 | 390 | | |
| 500 | 263 | 05 | Son | ER | ROR |
| 650 | 260 | 06 | 650 | | |
| 800 | 264 | 06 | . 800 | | |
| 950 | 264 | 07 | 950 | | |
| 1150 | 251 | 09 | 1150 | | |
| 1350 | 253 | 06 | 1350 | | |
| 1550 | 255 | 09 | 1550 | | |
| 1750 | 242 | 09 | 1750 | | |
| 2000 | 239 | 11 | 2000 | | |
| | | | | | |

Data obtained from RAPTS T-9 Tracking Pilot-Balloon Observation.

TABLE 5

AIMING AND T-TIME COMPUTER MET MESSAGES 26 May 1981

| LC-37 11 METCM13240 2617001248 | | WSD 1200 METCM13240 2618001228 | |
|--------------------------------------|----------|--------------------------------------|----------|
| 00151003 | 30360876 | 00142005 | 30370877 |
| 01078005 | 30110866 | 01285010 | 30230868 |
| 02021006 | 29770841 | 02165003 | 29910843 |
| 03040006 | 29380803 | 03157005 | 29530805 |
| 04627006 | 28890758 | 04184002 | 29040760 |
| 05506009 | 28450714 | 05063004 | 28540716 |
| 06473012 | 27980672 | 06580006 | 28080674 |

| LC-37 1: METCM13240 2619001248 | | WSD 151 METCM13240 2621201228 | |
|--------------------------------------|----------|-------------------------------------|----------|
| 00213002 | 30430875 | 00533010 | 30660875 |
| 01164004 | 30190865 | 01487017 | 30520865 |
| 02000000 | 29870840 | 02508013 | 30200841 |
| 03407004 | 29480803 | 03480013 | 29760804 |
| 04428010 | 28960757 | 04467014 | 29220759 |
| 05452013 | 28490714 | 05458014 | 28710715 |
| 06380010 | 28010672 | 06458013 | 28230674 |

| 7 1001 | ASCENSION NO. 104 |
|----------|------------------------|
| -57 | 26 MAY RI 1790 HRS MDF |
| 14 | ITIVOL |
| STGRIFIC | |

| STGRIFICAUT LLVLL DAFA | 1460100104 | LC-37 | TABLE 6 |
|------------------------|------------|-------|---------|
| | 1 HSL | 4Dr | • |

JEODETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG

| KEL . HUM. | PLKCENT | | 15.0 | 23.0 | 25.0 | 31.0 | 35.0 | 37.0 | 43.N | 0.00 | 0.7.0 | 54.0 | 19.U | 79.0 | 33.0 | 37.0 | 43.n | 36.0 | 38.0 | 62.0 | 0.50 | 0.7.0 | 55.0 | 60.0 | 52.0 | 0.84 | 50.0 | C 83 |
|-------------|-----------|--------------|--------|--------|---------|--------|--------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|---------|-------|
| TEMPERATURE | DE WEDINI | CENT 1 GHADE | Ŋ | 0 | ر د. | ~ ~ | -1.9 | 7, 61- | -10.1 | 9.7- | ا. د. د | 4.6- | -23.7 | -13.6 | -17.3 | -19.5 | -21,3 | -24.0 | -20.6 | -25.3 | 4.42- | -25.1 | 4.72- | -29.7 | -3%.5 | -35.8 | 40.0 | -46.0 |
| TEMPE | AIK | PEGREFS | 29.5 | 26.8 | 24.5 | 16.5 | 14.1 | 9.6 | 5.5° | -1.0 | -1.3 | -1 • 4 | -3.5 | -3.1 | 4°€- | 4.7- | -11.2 | -12.0 | -15.6 | =17∙8 | -19.5 | -20.6 | -20.8 | | -25.6 | | -33.7 | |
| GFOMFIRIC | ALTITUDE | MSL FEET | 4651.4 | 4294.8 | 4705.8 | 7729.1 | 8592.5 | 10338.8 | 11735.9 | 13606.6 | 14094.0 | 14757.7 | 16354.8 | 16758.9 | 17577.0 | 19188.2 | 20514.5 | 21379.4 | 23094.4 | 23976.3 | 24775.3 | 25074.1 | 25528.2 | 26946.6 | 27698.1 | _ | 31085.2 | |
| PKESSURE | | MILLIHARS | 375.5 | 668.2 | 650.0 | 769.4 | | | æ | ۍ | | _ | | | | | | | 428.2 | | | | | | | | 06.8 | 300.0 |

UPPER AIR DAIA 1460180104 ري دي

| DETIC COOKDIMATES 32-40175 LAT DEG 106-31232 LON DEG | | THUEX | OF REFRACTION | 1.000250 | 1.000257 | 1.000253 | 1.000249 | 1.000245 | 1.000241 | 1.000237 | 1.000254 | 1.000230 | 1.000226 | 1.000222 | 1.000219 | 1.000215 | 1.000212 | 1.000208 | 1.000205 | 1.000202 | 1.000200 | 1.000197 | 1.000194 | 1.000193 | 1.000187 | 1.000161 | 1.0001/5 | 1.00016 | 0010001 | 1.000101 | 1.000159 | 1.000156 | 1.000154 | 1.1000.1 | 1.000149 | 1.000147 | 1.000143 | 1.000140 | 1.000138 | 1.000136 | 1.000133 | 1.000132 |
|--|---------|------------------|---------------------------|----------|----------|--------------|----------|----------|----------|-------------|----------|----------|------------|----------|----------|----------|--------------|----------|----------|-----------|-----------|----------|----------|----------|-------------------------|-----------|-----------|---|------------|----------|----------|----------|------------------|----------|----------|----------|-----------|----------|----------|---|--------------------|--------------|
| JEODETIC 32.40 106.31 | | 4. | SPEED | 2.9 | 3.1 | 6. 4. | 5.5 | 9•9 | 6.5 | ತ್ತ ೨ | و. د. | ٠٠٥ | | z. | 7.5 | s • 6 | 11.2 | 7.5 | 12.9 | 14.2 | 15.6 | 18.0 | 20.6 | 21.9 | 23.1 | | | 7 2 2 | 7 | | 12.0 | 10.6 | o. | 11.0 | 13.1 | 10.5 | o . 61 | 23.5 | # C C | 20°4 | 27.1 | \$ 9. |
| | | KIND UNIW | DIRECTION LEGREES (TN) | 85.0 | 0.00 | 36.5 | 23.8 | 10.3 | 15.3 | 14.2 | 0.7 | 551.7 | 332.5 | 514.8 | 0.862 | 287.8 | 2/3.1 | 2/0.2 | 20.500 | 2.662 | 4.56.5 | 251.0 | 548.6 | 7.657 | 6.642 | 6.042 | 247.5 | 2.7.4% | 6.1.6.2 | 26/07 | 273.6 | 242.6 | 9.46.2 | 20105 | 9.4u¢ | 302∙8 | 3000 | 0./1,7 | 2.000 | | 2.4.4.2 2.4.4.2 | 2.002 |
| ر بان 140 | | SPLED OF | SOUND | 678.0 | | 073.0 | | 669.7 | 0.699 | | 064.7 | | | | | | | | | | | | | | | | | | T • 11 + C | | | | 030+0 | 634.3 | | - | | | | | _ | 2+639 |
| UPPER ADE DATA 1460160104 LC-37 | TABLE 7 | | GRZCUNIC METER | 1005.1 | 1000.3 | 989.0 | 970+5 | 964.1 | 6•156 | 6 ₹6 | 92,3+1 | 910.5 | 904.3 | 8,12.2 | 880.5 | 863.3 | 8,00.7 | 845.5 | 8.34 • 4 | R23.B | A13.5 | 803.5 | 793.t | 780.5 | 760.0 | 7.2.8 | 9.01/ | 7.03.th | 7017 | 6839 | 670.0 | | h• 530,53 | 649.0 | 639.9 | 6.073 | 619.7 | 600 | 5.605 | 6.6974 | 550.6 | 0.174 |
| ۷ | H | REL.HUM. DENSITY | PERCENT | 15.0 | 23.7 | 25.2 | 26.3 | 27.3 | 24.4 | 29.5 | 30.5 | 31.6 | 32.8 | y•00 | 35.1 | 36.2 | 37.1 | 39•B | 42.0 | \$ ° 5 \$ | 6 ° 6 ° 6 | 0.46 | 59.0 | 65.6 | 59.0 | / t x + 1 | 7 • 7 0 | 20.00 | 0.0 | | 34.1 | 35.3 | 36.5 | 38.4 | 40.7 | 42.9 | 39.1 | 36.1 | 35.7 | 0.70 | 0.45 | E-0.7 |
| ري 10. | | TEMPERATURE | DEMPOINT CENTIGRADE | • 5 | 7.7 | 3.1 | 2.5 | 1.8 | 1.1 | 5 • | ٠. | -1.0 | æ: (- | 0.4 | -S- | 6.5 | Ն• Ե• | ្រ ម | 7.67 | -6.2 | -(·•5 | 0-7- | -7.6 | 8°%- | ۳. د د د | -11:1 | 2 - 2 - 1 | + · · · · · · · · · · · · · · · · · · · | 1.00 | 17.4 | -17.9 | -18.6 | -10.3 | 6.01- | -20.6 | 11 | H-68- | -54.5 | 6.521 | 1.5.2 | 126.5 | 174.1 |
| 1951-37 FFET , SL 1950 HRS MD: | | TEMPE | AIR DEGREES | 29.5 | 20.0 | 24.5 | 22.B | 21.4 | 20.0 | 18.6 | 17.1 | 15.7 | 5.5 | 13.0 | 11.d | 10.5 | | 7.7 | r•5 | 0 · | 2.8 | 7.7 | i C | -1.2 | - |) · [- | 7. | 1 - C - I | | 3 - 0 | -4.5 | -5.7 | 6.9- | -0.3 | 7.6 | -11.2 | 9.11- | -12.3 | -13.5 | + · · · · · · · · · · · · · · · · · · · | 15.4 | 110.0 |
| UDL 4 | | PRESJURE | HILLIUARS | 875.5 | 362.n | 841.2 | H32.4 | 817.8 | 803.5 | 783.5 | 175.6 | 6.19/ | 140.4 | 7.00 | 121. | / 100 / | 5.06g | 683.1 | 070.00 | 650.2 | 540.0 | 633.9 | 1.729 | 610.4 | 0.000 0.000 0.000 | 0.22 | 1010 | 5,54,7 | 7.00 | 530.B | 520.6 | 510.5 | 7.504 | 492.9 | 484.3 | 474.0 | 40.00 | 420.4 | # / # t | 0.000 | 100 m | 7.124 |
| STATION ALTITUDE 4. 26 TAY 81 ASCLASIUN NO. 104 | | GEUNE TRIC | ALTITUDE MSL FEET " | 4051.4 | 4500.0 | 5000.0 | 5500.0 | 0.0000 | n•00¢n | u•0uu/ | 0.0047 | 3000s | 3500.0 | 0.0000 | 9500 P | U-00001 | 10500.4 | 11000.0 | 11500.0 | 12000-0 | 12500•0 | 0.00001 | 1.5500.0 | 14000.0 | 14507. | 15000.1 | 1.000.1 | 14500.0 | 17000-0 | 17500.0 | 16000.0 | 18500.0 | 19000 | 19500.0 | 20000-0 | 20500.0 | <1000·0 | 21500.0 | J-00077 | J•60522 | 23000-6 | 0.000c2 |

| JEOULTIC COOKUTMATES 52.40175 LAT DEG 106.31232 LON DEG | INUEX OF REFRACTION | 1.000131 | 1.000128 | 1.000126 | 1.000123 | 1.000121 | 1.000119 | 1.000117 | 1.000114 | 1.000112 | 1.090110 | 1.000108 | 1.000106 | 1.000194 | 1.000103 | 1.000101 | 1.000099 |
|---|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------------|-----------|----------|----------|----------|----------|
| JEOUL TTO 52. 106. | JPEEU KNOTS | 25.5 | 23.0 | 19.9 | 18.9 | 18.6 | 19.9 | 21.7 | 22.3 | 22.4 | 23.4 | 9.42 | 25.5 | 26.2 | 25.8 | | |
| | WIND DATA DIRECTION SA DEGREES(TH) KN | ∠83•3 | 242.0 | 202.7 | 582·B | 502.9 | 281.6 | 280.1 | 271.0 | 275.3 | 273.9 | 575.9 | 615.9 | 275.5 | 279.4 | | |
| < + + | SHEED OF SOUND KNOTS | 622.7 | 621.4 | 619.7 | 619.1 | 617.7 | 616.2 | 614.7 | 613.5 | 612.2 | 610.7 | 2.600 | t+004 | 5.000 | 604.7 | 603.2 | 6.01.7 |
| JPPER AIR DATA 1450150104 LC-37 TABLE 7 CON'T | DENSITY S GMZCUBIC METER | 562.H | 5,3.8 | 545.6 | 535.0 | 527.1 | 518.8 | 510.5 | 501.9 | 403.7 | 4.P.5.8 | 6.77. | 470.1 | 462.4 | 6•454 | 447.5 | 440.1 |
| | REL.HOM. PERCERIT | 62.1 | 64.0 | 66.5 | 55.7 | 56.7 | 58.4 | 50.4 | 54.1 | 50.0 | 2.64 | 48.2 | 48.6 | 0.64 | 49.5 | 6.64 | 48.4 |
| ig ja | TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE | -23.3 | -24.0 | -24.9 | -27.3 | -24.5 | -50.0 | -50.9 | -31.8 | -33.4 | -34.9 | -36.2 | -57.2 | -3n.2 | -30.3 | -40.3 | -41.7 |
| 1.37 FGE 60 1835 | TEMF AIR DEGALES | -17.9 | -18.9 | -20.3 | ₽•02- | -21.9 | -23.1 | 124.3 | -25.2 | -26.3 | -27.5 | -28.7 | 6.66- | -31.1 | -32+3 | -33.5 | -34.7 |
| STALLON ALTITUDE 4051.37 FEET 151 26 may 81 Ascensiou no. Inh | PRESJURE NILLIDARS | 412.8 | 404.5 | 390.3 | 380.2 | 580.3 | 372.5 | 364.9 | 357.5 | 34.3.0 | 342.0 | 330.5 | 320.3 | 521.4 | 314.6 | 307.9 | 301.3 |
| STALLON ALTITUDE 40 26 may bl Ascension no. Inh | GEUMETRIC ALIITUDE MSL FEET | 24000.0 | 24500.C | 3.00005 | 25500.0 | 000007 | 200002 | 0.0007.7 | 6.1500.0 | 200005 | 28500.0 | 2000 0. 0 | 29500 · n | 30000 | 30500.0 | 31000.0 | 31500.0 |

| STATION ALTITUDE "U" 1 - 77 FEFT SL 26 MAY HI 1 100 MRS ADT ASCLUSIUM NO. 194 | FT SL | M.: TAI | FIANDATORY LEVELS 1460160104 LC-37 TABLE 8 | EVELS U4 | | GEODLTIC COOKDINATES 32-40175 LAT DEG 106-31232 LON DEG |
|---|-----------------------|--------------------|---|--------------|--------------|---|
| PRESSURE | PRESSURE GEOPOLERITAL | • | TEMPERATURE | KEL . HUM. | | (1A) |
| MILLIBAKS | FEET | DEGREFS CENTIGRADE | PEWFOANTE | PERCENT | UEGKEES (TN) | KNOTS |
| n•958 | 4902. | 24.5 | 3,5 | \$2 • | 39∙8 | 3.A |
| ₩ 0.00% | | 13.6 | 1.0 | 29• | | 5•0 |
| 0.0.7 | 8433. | 14.5 | -107 | 33. | | 5.1 |
| r. 197 | | 9.6 | 7.5- | 37. | | 10.6 |
| 0.50.n | | 3.4 | 4.9- | 48. | | 15.1 |
| ₽• 009 | | -1.4 | -8.1 | •09 | | 3.0 |
| 950°U | | -3.1 | -19•0 | 28• | | 14.3 |
| 500.4 | | -7-4 | -19•5 | 37. | | 10.1 |
| 0.054 | | -13.0 | -24.7 | 37. | | 4.B |
| ₽•00h | | -19.5 | h•h2- | 65 • | | -1.4 |
| 350.0 | | -26.3 | -33.4 | 51. | | t;• 70 |
| 0.00* | | - 34.9 | -42.0 | 4,77. | | |

| IION ALTITUDE 3989.00 FFET MSL 187 BI 12°N HRS HDT LNSIUH HO. JS9 | MSL IT | SIGNIFIC, 140 WHI TABLE 9 | SIGNIFICANT LEVLL DATA 1460020359 WHITE SANDS TABLE 9 | ATA | JEOULTIC COOKUINATES 32.40043 LAT UEG 106.37033 LON DEG |
|---|---|------------------------------------|--|---------------------|---|
| PKESSURE MILLIRARS | PKESSURE GFOMETHIC ALTITUDE ILLIRARS MSL FEET | TEMPE AIR DEGREFS | TEMPERATUKE AIR DEWPOINT DEGREFS CEPTIGKADE | REL.HUM. PERCENT | |
| 4.77.4 0.028 | 3~89•0 4000 | 29.5 | 6.7 | 18.0 | |
| 788-6 | 7049.5 | 19.7 | ; ; | 0.42 | |
| 20°002 | | 9.5 | # # 1 | 36.0 | |
| h•109 | | <u>۰</u> | -b.a | 52.0 | |
| 590.₽ | 14733.2 | ó•• | -12.5 | 41.0 | |
| 2.44.5 | | -1.7 | -17.4 | 29.0 | |
| 54 7 •8 | | -2.7 | -14.1 | 41.0 | |
| 9.004 | _ | -7.1 | -20 · to | 33.0 | |
| Ø•0€# | • | -16.3 | -25.7 | U* †† | |
| 0.004 | · V | -20.5 | -25.0 | 67.0 | |
| 393.4 | | -21.5 | -24·b | 76.0 | • |
| するのかつ | 28332.4 | -27.5 | -34.5 | 51.0 | |
| 300.0 | | -35.8 | -43.0 | H.7.0 | |

| GEODETIC COORDINATES 32.40043 LAT EEG 106.37033 LON DEG | - | S REFRACTION | 5.1 1.000255 | 5.1 1.000255 | 1 | - | - | | - | - | 3.1 1.00023 2 4 1.00023 | | | - | 3.6 1.000214 | .0 | - | 7 | - | 4.8 1.000199 | - | - | - | 9.6 1.000170 | | - | - | 1 | - | - | | - | | | _ | | Thinnn-I C-02 | - | 22.1 1.000137 | - |
|--|---------------------------|--------------------|--------------|----------------------|--------|--------|--------|---------|---|----------------|----------------------------|---------------|--------|--------|--------------|---------|--------|-----------|---------|--------------|---------|----------|-------------|--------------|----------|-------|---------|---------|---------|-------------|-----------------------|-----------|---|--|----------|---------|----------------|---------------------------------------|---------------|---------------|
| 0.30° | AIND DAIA | DEGREES (TN) KNOTS | ე ი•ua | | 83-1 | | | | | | 0.00 | | | | 20.8 | | | | _ | - | _ | - | - | 200.9 | • | | - | 1 | _ | _ | | - | | - • | | | | | 7.102 | |
| ۵۰۱۸ دور دان | SPEED OF | SOUND KNO 1 S | 676.8 | 8.070 | | | | | | | 0.000 | | | | | 655.3 | | _ | | | | _ | | 2 · C b · C | | _ | _ | | - | | _ | _ | | | | | | | | / • • · · · · |
| UFPLR AIN OATA 1460020355 WHITE SANDS TABLE 10 | DENSITY CRYCHOIC | METER | 1000-7 | 1006.5 | 990.5 | 985.6 | 973.2 | 6.096 | 946.7 | 8.006 8.006 | 925.1 | 901.0 | 840.5 | 879.4 | 868.5 | A57.3 | A45.3 | 833.5 | 821.9 | 910.4 | 793.2 | 7.98 • 1 | 777.2 | 8.40/ | 734.7 | 725.8 | 713.5 | 701.7 | 690.7 | 6.679 | 669.3 | 9.90° | 648.7 | 5.53.5 .0.53.5 | 629.5 | F. 619 | 1010 | 50110 | 5.5.C | 3 • C () (|
| · F | REL.HIM. | בער | 18.0 | 13.0 | 19.1 | 20.5 | 21.1 | 22.0 | 23.0 | 2.50 | 0.70 | € 600 1000 | 31.1 | 52.9 | 34.7 | 36.6 | 38.7 | 40.8 | 42.9 | 45.0 | 47.1 | 2.04 | 51.3 |) * C = | 35.2 | 30.0 | 35.3 | 40.5 | 38.9 | 37.2 | 35.55 3.55 3.55 | 55.4 | Σ• ΩΩ | 5.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 36.7 | 3.0.4. | 0 0 0 0 | - C | | |
| r sa. NDT | TEMPERATURE R DEMEDINE | CENTIGRAPE | 2.1 | 2.7 | 1.03 | 1.0 | Ŝ. | | \ • • • • • • • • • • • • • • • • • • • | · I I | -2-1 | , C | -3.1 | -3.7 | -4.5 | 6-11- | -5.3 | -5.A | -6.3 | •6•8 | -7-14 | 0 · K · | 0 : · | 13.7 | -14.7 | -1h.9 | -15.5 | -14.5 | -15.8 | -17.2 | -14.6 | 11.07 | 6.50 | C . [// . | -22.1 | | 0.00 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | ****** | 2.0 |
| 19.00 FEF | TEMP | S DEGNEES | 29.5 | 29.5 | 27.4 | 25.4 | 24.0 | 22.6 | 21.5 | 2 M | 0.0 | 15.2 | 13.7 | 12.1 | 10.6 | 9•1 | 7.9 | و. د.ه | 5•3 | 0 • 4 | 2•8 | 1•5 | N 8 | • | -1.3 | -1.6 | -2.2 | -2•9 | -3.9 | ਤਾ । ਹੈ। | -5.7 | • • • | 4.7° | | Z•uL- | 4.7. | 2.71 | 0.01 | 11001 | |
| 111UDL 392 1 1.059 | PRESJURE | MILLIDARS | 877.4 | 877.1 | 364.1 | 04/.3 | 356.6 | 810.1 | 2002 | 777 | 767. | 743.5 | 735.1 | 724.3 | 70% | 690.3 | 4.089 | 671.9 | 654.4 | 640.2 | 03403 | 626.5 | 6116 503 | 5800 | 577.2 | 560.3 | 555.5 | 540.0 | 534.6 | 524.3 | 514.5 | * * * iii | # C = = = = = = = = = = = = = = = = = = | : * | ** n/ * | 10001 | 6.000 | | 7 - 6/6 + | \ • 20 h |
| STATION ALTITUDE 3939.00 FEFT (SL 26 MAY 31 1200 HRS NDT ASCENSION NO. 559 | GE UNE TRIC | TSL FEET | 5989•0 | 6•0 ₀ 0+, | 4500.0 | 5000•0 | 5500.0 | Ŭ•Û00°· | n•0u3a | 6.0007 | 0.000x | 0.000 | 0.000K | 0.0021 | 0.00001 | 10500.0 | 110001 | 11500.5 | 12000-0 | 12500.0 | 13000.0 | 15500.0 | 14000.0 | 0.00041 | 1.500341 | 10000 | 16500.0 | 17000.0 | 17500.0 | 10000 | 10500 | 1.0000 | 1.500.0 | G·mma> | U•005.02 | 0.00015 | 0.00012 | 0 00 J. V | 0.00022 | |

| TEMPERATUPE REL-HUM, DFUSITY SELFO OF WITHOUN DATA ALE DEWPOTHT PERCENT GMZCURIC SOUND DIRECTION SPE. PERCENT GMZCURIC SOUND DIRECTION SPE. 19-6 -25-3 50-1 574-2 623-2 200-2 200-2 200-2 200-3 277-6 200-4 277-6 200-4 277-6 200-4 277-6 200-4 277-6 200-4 277-6 200-4 277-6 200-4 277-6 200-4 277-6 200-4 277-6 200-4 277-6 200-6 | I ALT | JDL 399 | 189.00 FFFT (ISL 1.200 HRS MDF | -T (35L) Μ ΟΓ | - | UPPLP AIM DATA 1460020359 BHITE SANDS | ۸۲.22 دورون ۱ | | JE 00L TI | GEODETIC COOKUINATES |
|---|-------|------------------|-----------------------------------|------------------------------------|---------------------|---|----------------------------|--------------|----------------------|---------------------------|
| TEMPLATUPE REL.HUM, DFINSITY SELFO OF SOUND WIND DATA IN AIR JEWPOINT PERCENT 6MCUBIC 50000 0104 0104 0104 0 </th <th>oġ.</th> <th>986</th> <th></th> <th></th> <th>F</th> <th>ABLE 10 CO</th> <th>1.8</th> <th></th> <th>106.</th> <th>37033 LON DEG</th> | oġ. | 986 | | | F | ABLE 10 CO | 1.8 | | 106. | 37033 LON DEG |
| -17.4 | P | ESSURE LIDARS | | PERATUPE JEWPOINT CLNTIGRADE | REL.HUM. PERCENT | DENSITY GMZCURIC NETER | SELFU OF SOUND NUOIS | UIK DEGRL | IA SPEEU KNOTS | INDEX OF REFRACTION |
| -18.6 -26.6 565.3 621.4 200.2 26.9 -19.8 -24.0 63.0 550.5 020.4 277.6 26.4 1 -21.0 -24.8 71.3 547.8 614.9 277.2 26.4 1 -22.1 -24.8 71.3 534.9 617.0 276.0 26.6 1 -23.0 -27.0 60.7 529.6 610.1 277.1 26.5 1 -24.0 -27.0 60.7 529.6 610.1 277.1 26.5 1 -24.0 -30.1 61.7 570.9 610.1 277.3 26.4 1 -24.0 -30.1 61.7 570.9 570.4 1 26.9 1 -24.9 -30.1 61.5 611.5 200.4 25.2 1 -27.9 -34.9 50.8 477.1 600.6 270.2 25.2 1 -27.9 -36.2 50.8 477.1 600.6 270.2 </td <td></td> <td>421.9</td> <td>-17.4</td> <td>-25.43</td> <td>50.1</td> <td>574.</td> <td>_</td> <td>3.50×</td> <td>7.73</td> <td>1.000132</td> | | 421.9 | -17.4 | -25.43 | 50.1 | 574. | _ | 3.50× | 7.73 | 1.000132 |
| -19.8 -25.0 63.0 550.5 020.4 277.6 26.4 1 -21.0 -24.8 71.3 547.6 616.9 277.2 26.5 1 -22.1 -25.5 73.7 536.9 617.6 276.0 26.5 1 -23.0 -27.0 69.7 529.8 610.3 277.1 26.5 1 -24.0 -27.0 69.7 520.9 610.1 277.3 26.4 1 -24.0 -30.1 61.7 520.9 613.9 277.3 26.4 1 -24.0 -30.1 61.7 570.9 613.9 277.3 26.4 1 -24.9 -31.7 57.7 503.6 611.5 274.5 25.5 1 -27.9 -34.9 50.8 477.1 608.6 271.7 244.9 1 -27.9 -36.2 50.8 477.4 608.6 271.4 25.8 1 -27.9 -36.2 40.8 </td <td></td> <td>410.4</td> <td>-18·h</td> <td>0.42-</td> <td>9.99</td> <td>565.3</td> <td>Ī</td> <td>20045</td> <td>26.9</td> <td>1.000131</td> | | 410.4 | -18·h | 0.42- | 9.99 | 565.3 | Ī | 20045 | 26.9 | 1.000131 |
| -21.0 | | 400.0 | -19.8 | 0.52- | 63.0 | 556.5 | | 277.8 | 26.4 | 1.000129 |
| -22.1 -25.5 73.7 53a.9 617.6 276.6 1 26.6 1 25.0 -25.0 -27.0 69.7 529.6 clo.3 277.1 26.5 1 26.5 1 24.9 -24.0 -27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.5 1 27.1 26.1 27.1 26.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27 | | 320.8 | -21.0 | -24.8 | 71.3 | 547.9 | | 217.5 | 26.5 | 1.000127 |
| -23.0 -27.0 69.7 529.6 clo.3 277.1 26.5 ll -24.0 -23.0 -27.4 520.9 clo.1 277.3 26.4 ll -24.0 -24.5 520.9 clo.1 277.3 26.4 ll -24.9 -30.1 61.7 512.2 cld.9 271.7 25.5 ll -25.9 -31.7 57.7 60.5 cld.9 271.7 24.9 ll -25.9 -33.4 53.7 495.2 cld.9 204.8 25.2 ll -27.9 -36.2 b0.2 479.1 cld.6 270.2 25.8 ll -27.5 49.6 477.4 cld.9 273.4 26.5 ll -33.0 -40.1 48.4 456.4 cld.8 273.4 26.5 ll -33.0 -40.1 48.4 449.1 cld.6 -3 -33.5 -42.7 47.1 441.9 cld.6 5 | | 388.7 | -22-1 | -25.5 | 73.7 | 530.9 | | 9-76-5 | 26.6 | 1.000125 |
| -24.0 -28.5 65.7 520.9 615.1 277.3 26.4 1 -24.9 -30.1 61.7 512.2 613.9 274.5 25.5 1 -25.9 -31.7 57.7 503.6 012.7 271.7 24.9 1 -25.9 -33.4 53.7 49.5 611.5 204.8 25.2 1 -27.9 -36.2 10.2 479.1 600.6 270.2 25.2 1 -30.5 -37.5 49.6 477.4 607.0 271.8 25.8 1 -31.7 -38.8 49.0 463.8 005.4 273.4 26.5 1 -33.0 -40.1 48.4 456.4 603.8 273.4 26.5 1 -34.2 -42.7 47.1 441.9 600.6 | | 590.7 | -23.0 | -27.0 | 69.7 | 529.6 | | 271.1 | 26.5 | 1.000122 |
| -24.9 -30.1 61.7 512.2 613.9 274.5 25.5 1 -25.9 -31.7 57.7 503.6 012.7 271.7 24.9 1 -25.9 -33.4 53.7 495.2 611.5 209.3 25.1 1 -27.9 -34.9 50.8 487.0 610.2 200.6 25.2 1 -27.9 -36.2 479.1 600.6 270.2 25.2 1 -30.5 -37.5 49.6 471.4 607.0 271.8 25.8 1 -31.7 -36.8 49.0 465.4 603.4 273.4 26.5 1 -33.0 -40.1 48.4 449.1 603.8 273.4 26.5 1 -34.2 -42.7 47.7 449.1 602.4 1 -35.5 -42.7 47.1 441.9 600.6 1 | | 572.8 | 154.0 | -29.5 | 65.7 | 520.9 | | 277.5 | 56.4 | 1.000120 |
| -55.9 -51.7 57.7 505.6 012.7 271.7 24.9 11 -25.9 -53.4 53.7 495.2 611.5 209.5 25.1 11 -27.9 -54.9 50.8 487.0 610.2 204.8 25.2 11 -27.9 -36.2 50.2 479.1 600.6 270.2 25.2 11 -30.5 -37.5 49.6 49.6 607.0 271.8 25.8 11 -31.7 -36.8 49.0 465.8 605.4 273.4 26.5 11 -33.0 -40.1 48.4 456.4 603.8 273.4 26.5 11 -33.0 -40.1 48.4 449.1 602.2 13.4 141.4 47.7 449.1 602.2 | | 365.1 | 6.42- | -30.1 | 61.7 | 515.2 | | 5.44.2 | 25.5 | 1.000117 |
| -26.9 -33.4 53.7 495.2 611.5 209.5 25.1 1 -27.9 -34.9 50.8 487.0 610.2 20d.8 25.2 1 -29.2 -36.2 50.2 479.1 600.6 270.2 25.2 1 -30.5 -37.5 49.6 471.4 607.0 271.8 25.8 1 -31.7 -38.8 49.0 465.8 605.4 273.4 26.5 1 -33.0 -40.1 48.4 456.4 603.8 273.4 26.5 1 -34.2 -41.4 47.7 449.1 602.2 | | 357.6 | P-25.9 | -31.7 | 57.7 | 503.0 | | 271.7 | 54°C | 1.000115 |
| -27.9 -34.9 50.8 487.0 610.2 20d.8 25.2 1 -29.2 -36.2 50.2 479.1 600.6 270.2 25.2 1 -30.5 -37.5 49.6 471.4 607.0 271.8 25.8 1 -31.7 -38.8 49.0 465.8 605.4 273.4 26.5 1 -33.0 -40.1 48.4 456.4 603.8 273.4 26.5 1 -34.2 -41.4 47.7 449.1 602.2 1 135.5 -42.7 47.1 441.9 600.6 | | 350.2 | -26.9 | 4.5.4 | 53.7 | 1195.2 | | 209.3 | 25.1 | 1.000113 |
| -29.2 -36.2 50.2 479.1 600.6 270.2 25.2 1 30.5 -37.5 49.6 471.4 607.0 271.8 25.8 1 21.7 -38.8 49.0 465.8 605.4 273.4 26.5 1 -33.0 -40.1 48.4 47.7 449.1 602.2 -33.5 -42.7 47.1 441.9 600.6 | | 342.9 | -27.9 | -34.9 | 50.8 | 487.0 | | 200.8 | 25.2 | 1.000110 |
| -30.5 -57.5 49.6 471.4 607.0 271.8 25.8 1 23.7 -38.8 49.0 463.8 605.4 273.4 26.5 1 -33.0 -40.1 48.4 456.4 605.8 -34.2 -41.4 47.7 449.1 602.2 -35.5 -42.7 47.1 441.9 600.6 | | 333.6 | 2.64- | -36.2 | 50.5 | 479.1 | | 2,075 | 25.5 | 1.00108 |
| -31.7 -38.8 49.0 463.8 605.4 273.4 26.5 1 33.0 -40.1 48.4 456.4 605.8 -34.2 -41.4 47.7 449.1 602.2 -35.5 -42.7 47.1 441.9 600.6 | | 320.5 | -30.5 | -37.5 | 9°6h | 1171.4 | | 271.8 | 25.8 | 1.000107 |
| -33.0 -40.1 48.4 456.4 603.8 -34.2 -41.4 47.7 449.1 602.2 -35.5 -42.7 47.1 441.9 600.6 | | 321.5 | -31.7 | -38.B | 0.64 | 463.8 | _ | 273.4 | 26.5 | 1.000105 |
| -34.2 -41.4 47.7 449.1 602.2 -35.5 -42.7 47.1 441.9 600.6 | | 514.7 | -33+0 | 1.04- | 48.4 | 4.96.4 | | | | 1.000103 |
| -35.5 -42.7 47.1 441.9 600.6 | | 300.0 | -34.2 | t • (t- | 47.7 | 1.644 | | | | 1.000101 |
| | | 301.5 | -35.5 | -42.7 | 47.1 | 6.141 | | | | 1.000099 |

| AF DATOPY LEVELS 1460020359 EHITEAI.JS | IABLE II FRITAL TEMPENATURË REL•HU4• "LUD DA | AIR DEWPOINT PERCENT DIRECTION DEGREES CENTIGRADE | 49no. 25.7 1.1 20. | 60.3H. 20.R9 23. 91.4 | 8449. 15.4 -2.5 29. 73.1 | 10547. 2.5 -4.8 30. 15.9 | 12347. 4.4 -6.6 44. 281.3 | 144655 -10.3 47. 259.2 | 167412.6 -14.5 59. 260.5 | 192017.1 -29.0 33. 291.0 | 2186513.5 -24.0 41. 289.7 | 2186513.5 -24.0 41. 289.7 2475520.5 -25.0 67. 277.4 | 192017.1 -29.0 30. 2186513.5 -24.0 41. 2475520.5 -25.0 67. 2796726.9 -33.4 54. | UL JyBy.nn FELT 12nn HRS 2 359 PHESSURE GE MILLIAAKS ASJ.n ASJ.n ASJ.n ASJ.n ASJ.n ASJ.n ASJ.n ASJ.n | TNIAL T T 100 119 147 47 41 | TABLE 11 TEMPENATURE A1R DEGREES CENTIGRAL 25.7 1.1 25.7 1.1 20.89 15.4 -2.5 4.4 4.4 -2.6 -19.5 | #1 # · · | # FID D DIRECTION DEGRES(TN) 85.0 91.4 73.7 15.9 259.2 260.5 | JEODL TIC COOKUINATES 32-40043 LAT DEG 106-57033 LON DEG KNOTS 5-3 4-5 2-2 3-9 10-7 19-6 11-9 |
|---|---|--|--------------------|-----------------------|--------------------------|--------------------------|---------------------------|------------------------|--------------------------|--------------------------|--|---|---|--|--|--|--|---|---|
| STATION ALITTUDE 3989.00 FELT 26 NAY AL ASCENSION NO. 359 | PRESSURE 6 | MILLIPARS | A59.n | 6. €0 | ù•u<-2 | 0.69.7 | P-0-59 | U•009 | 550.0 | | 7.5. 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0. | 0.50 0.034 0.004 | 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | STATION ALTITUDE 3989.00 FELT WSL 26 NAY AL ALLASION NO. 359 ASCLINSION NO. 359 PRESSURE GEOPOTION 499 RSJ.0 659.0 659.0 103 ESSO.0 123 ESSO.0 1449 ESSO.0 1449 ESSO.0 1449 | | TN FIAL 10. 38. 47. 47. | TMFIAL TEW T DEGREES 10. 25.7 10. 25.7 10. 25.7 10. 4.4 17. 4.4 15.4 17. 4.4 15.4 | TABLE 11 TABLE | TABLE 11 TABLE |

| DAIA GEODLIIC COOKDINATES 32.40175 LAT DEG 106.31232 LON DEG | REL.HUM. PERCENT | 16.0 | 50.0 | 21.0 | 2 + *U | 25.0 | 31.0 | 32.0 | 34.0 | 35•n | U•hh | υ•hς | 31.0 | 30.0 | 31.0 | 53.0 | 34.0 | 45.0 | 56.0 | 47.0 | 45•0 | 50•0 | 63.0 | 71.0 | 71.0 | 0.60 | ₽ •• U | 96•0 |
|---|---|--------|--------|--------|---------------|--------|--------|--------|--------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|---------|
| SIGNIFICANT LEVEL DATA 1460:30105 LC-37 TABLE 12 | TEMPERATURE AIR DEWPOINT DEGREES CENTIGHADE | 1.8 | 3.0 | 1.7 | L | -2.1 | -2.5 | ٥٠٤- | -3.h | か。オー | -6.1 | -8.2 | -15.8 | -15.9 | -16.5 | -17.1 | -21.4 | -22.3 | -50.9 | -23.6 | -25.7 | 8°C2- | -25.6 | -25.3 | -20°B | -33,8 | -37.7 | 9.24- |
| SIGNIFIC 14 LC- TABLE 12 | TEM AIR DFGREE | 30.4 | 28.0 | 25.6 | 9.02 | 18.2 | 14.4 | 12.6 | 11.7 | 9 . 8 | 5.1 | 0• | ₽•- | 3.5 | -1.6 | -3.1 | -8.4 | -12.0 | -14.1 | -14.8 | -16.6 | -18.0 | -20.4 | -21.5 | -23.0 | -2A.3 | -31.9 | -37.1 |
| .1 | E GFOMETAIC ALTITUDE S MSL FEET | 4051.4 | 4195.2 | 4875.0 | 6557.8 | 7249.3 | 8617.7 | 9332.5 | 9676.0 | 10317.9 | 11787.8 | 13597.0 | 15072.9 | 15452.4 | 15837.0 | 17058.4 | 19175.8 | 20755.2 | 21569.0 | 22634.1 | 22017.1 | 23815.2 | 24740.3 | 25132.7 | 26034.6 | 28304.7 | 29691.0 | 31533.4 |
| STATION ALIITUDL 4051.37 FEET 11SL 26 may 61 13 no 1485 MDI ASCENSION NO. 105 | PRESSURE | 874.5 | 670.2 | 850.0 | 801.4 | 782•0 | 744.0 | 725•6 | 716.6 | 70.07 | ე•€99 | 610.4 | 585.6 | 5.77.2 | 9.484€ | 545.8 | 0·v0¢ | ₩69+ | 454.8 | h•911h | 430.8 | 415.4 | #10v•0 | 393.6 | 379.2 | 344.8 | 325•N | 0.00¢ |

| STATION ALTITUDE 4051 26 MAY 81 13 ASTERNATION NO. 105 | .TITUDE 40 | 51.37 FFET 1300 HRS M | ET . ISL F D | | UPPER AIN UNIA 1460180105 1.C-37 | ۲۸ 0 ت | | JEODETIC 32.40 | 32.40175 LAT JEG |
|--|---|--------------------------|------------------------|---|--|-----------------|------------------------|-------------------|------------------|
| | | | | _ | TABLE 13 | | | | |
| GF UME TRIC | PRESSURE | TEM | TEMPERATUPE | RUL. HUM. | DENSITY | SPEED OF | WING DATA | 41 | INUFX |
| ALIITUDE NSL FEET | MILLIDARS | AIK DECKEES | CLNTIGRADE | PERCENT | GMZCUMIC METER | SOUND KNO IS | DIRECTION DEGREES (IN) | SPEED KNOTS | OF REFHACTION |
| 4051.4 | 874.5 | 30.4 | 1.8 | 16.0 | 1090.6 | 679.H | 120.0 | 1.9 | 1 • 000252 |
| 4500.0 | 861.1 | 56.9 | 5∙4 | 50.4 | 9000 | 675 | 142.5 | 1.4 | .00025 |
| J-000c | 840.3 | 25.2 | 1.5 | 21.2 | 985.1 | 674.0 | 164.6 | 1.3 | 1.000249 |
| 5500.0 | 831.6 | 23.7 | 6• | 22.1 | 972.9 | 672.3 | 210.2 | 1.7 | 1.000245 |
| 0.00na | 817.2 | 22.3 | •5 | 23.0 | 960.9 | 670.5 | 2<9.5 | 2.6 | 1.000241 |
| 0.500.0 | 800.0 | 20.8 | 9• - | 23.9 | 9.1 | _ | 22.3.5 | 0.4 | 1.000237 |
| 0.0007 | 77: 3 | 19.1 | 9-6 | S • • • • • • • • • • • • • • • • • • • | 1•956 1•956 | | 5.30.8 | ر. د | • |
| 0.0001 | 76.1.3 | 0.77 | 10.0 | 100 | 976.0 | | 7.962 | \$ P | 1.000230 |
| 0.002 | 747.7 | 1001 | 2.21 | 20 × 0 × 0 × 0 × 0 | h•h16 | | 6.047 | | ******* |
| 9000 | 734.4 | 13.4 | 1 2 6 1 | 5.00 5.00 5.00 | C • 20. | 0.100 | 7.1.57 | 10.01 | 1.00000 |
| 9500.0 | 721.2 | 12.2 | 3.6 | 33.0 | 878.4 | 2000 | 75.75 | 12.7 | • • |
| 10000.1 | 700.2 | 10.7 | E + 17 | 34.5 | 866.9 | 657.2 | 244.1 | 11.6 | |
| 10500.0 | 695.3 | 9.5 | -5.0 | 36.1 | 8.95.9 | t55.4 | 257.6 | 11.4 | |
| 11000.0 | 682.6 | 7.6 | -5.4 | 39.2 | 845.0 | 653.5 | 233.7 | 11.8 | |
| 11500.0 | 670.1 | 0.9 | -5.8 | 45.2 | 834.3 | 651.6 | 235.0 | 12.4 | |
| 12000.0 | 657. | ະ.ນ | -6.3 | 45.2 | 823.4 | _ | 257.9 | 13.2 | 1.000202 |
| 12500.0 | 040.0 | 3.1 | 9.4 | 1,7.9 | 812.5 | _ | 245.5 | 13.5 | |
| 13000-0 | 530.5 | 1•/ | h•/- | 50.7 | 801.3 | 646.5 | 250.7 | 13.3 | |
| 13500.0 | 1.129 | • | C (| ្ត ស្ត្រ ស្ត្រ | 790.4 | 8.44.9 | 259•1 | 13.3 | 1.000193 |
| 14500.0 | |) L | 10.61 | 0.04 | 2.1.7 | 2.440 | 203.0 | 2.51 | 1.000188 |
| 15000.0 | 587.2 | ω | -15.3 | 32.1 | 750.1 | 543.6 | 203.5 | 50.0 | 1.000102 |
| 15500.0 | 570.2 | 9•- | -16.0 | 30.1 | 735.7 | 543.5 | 254.7 | 8.1 | 1.000173 |
| 15000.9 | 565.3 | -1.8 | -16.5 | 31.3 | 724.9 | 644.1 | 251.3 | 8.0 | |
| 10500.0 | 554.5 | -2.4 | -16.8 | 32.1 | 712.7 | 641.4 | 8.547 | 8.7 | 1.000167 |
| 1.00071 | L • + bC | -3.0 | -17.0 | 32.9 | 700.8 | 9•049 | 255.9 | 9.6 | |
| 17500.0 | 555.6 57.4 | ران خ- | -18.0 | 53.5 | h•069 | 639.2 | 6.662 | ۳. ا | |
| 12500.0 | 10.00 | 0.0 | 0.61- | 3.50 | #*0v4 | 637.1 | 0.407 | 11. | 1.000159 |
| 14000.0 | 50.0 |) a | 1010 | 93.67 | 6,0,0 | 5.000 | 7.1.7 | | 1.000156 |
| 19500+0 | 9.000 | 100 | -21.5 | 4.74 | 650 | 1940 | F . C . Z | | 1.1000 |
| 20000- | 0.484 | -10.3 | -21.8 | 38.2 | 0.049 | 631.0 | 20.302 | 15.0 | 1.000149 |
| 0.00402 | 474.6 | -11.4 | -22-1 | 40.7 | 631.1 | | 283.3 | 17.5 | |
| 2100v·v | 465.2 | -12.6 | -21.8 | 46.2 | 621.6 | | 281.0 | 21.2 | .0001 |
| 21500+3 | 450.1 | -13.9 | -21.0 | 54.13 | 612.3 | | 580.4 | 24.8 | 1.000143 |
| 22000.0 | 0 • / 55 | -14.7 | -23.4 | 47.7 | 2.509 | | 279.1 | 26.9 | 1.000139 |
| 22500.0 | 436.1 | -15.7 | -24.7 | ڊي. ر | 502.5 | 625.2 | 6.872 | 28.9 | 1.000137 |
| 23000.0 | 42,7 4 | -16.7 | -25.7 | 3°54 | י עס | 0.420 | 7.2.F | 29.9 | 1.000154 |
| 23200.0 | 450.1 | ۲۰۶۱- | -25.8 | 7.84v | 0,4√4 | 65,301 | 212.0 | 30.8 | 1.000132 |

| STATION AL | STATION ALITIUDE 4051.37 FLFT 45L 26 MAY AL 1300 HIS 101 | 1300 1115 1300 1115 | 1 15L 101 | - | UPPER AIN DATA 1460180105 LC-37 | 747A 05 | | JE 00F TIC | JE-ODE TIC COOKDINATES 32-40175 LAT LEG |
|-------------------------------------|---|------------------------------------|---|---------------------|---------------------------------------|----------------------------|---------------------------|----------------|---|
| ASCENSION NO. | Ch. 1 • 0N | | | , | TABLE 13 CON'T | T'NC | | 106. | 106.31232 LON DEG |
| GEUNETRIC ALTITUDE MSL FEET M | PRESSURE MILLIDARS | TENT A1 ^R DEGMLES | TEMPERATURE A1R DEMPOINT DEGREES CEUTIGRADE | REL.HIM. PERCENT | DFNSITY GM/CURIC METER | SPEED OF SOUND KNOTS | WIND DAIA DIRECTION SI | SPEED KNOTS | INDEX OF REFRACTION |
| 24000.0 | 412.3 | -14.5 | -25.7 | 52.6 | 563.0 | | 270.8 | 30.3 | 1.000130 |
| 3.002+3 | 6.004 | -19.8 | -25.6 | 59.6 | 555.0 | 620.3 | Z•602 | 59.9 | 1.000128 |
| 75000 T | | -21.1 | -25.4 | 68.3 | 540.0 | | 508.6 | 30.2 | 1.000126 |
| 23500.0 | | -22.1 | -25.9 | 71.0 | 537.6 | | 50.3.9 | 30.5 | 1.000124 |
| 0.60002 | | -22.9 | -261 | 71.6 | 528.4 | | 270.0 | 31.2 | 1.000122 |
| 20500.0 | | -24.1 | -24·2 | 68.5 | 519.0 | | 2.075 | 31.7 | 1.000119 |
| 27000.0 | | -25.3 | -59.7 | 6.50 | 511.5 | | 270.4 | 31.7 | 1.000117 |
| 0.75no.n | | -26.4 | -31.3 | 63.3 | 503.3 | | 270.7 | 31.7 | 1.000115 |
| 0.00085 | | -27.6 | -52.8 | 9.09 | 495.2 | | h•1/2 | 31.8 | 1.000113 |
| 23500.1 | | -23.8 | -34-3 | 59.6 | 487.3 | | 272.0 | 31.5 | 1.000111 |
| 29000.1 | | -30.1 | -35.7 | 57.5 | 479.6 | | 272.1 | 29.3 | 1.000199 |
| 23500.9 | | -31.4 | -37.2 | 56.4 | 472.0 | | 272.0 | 27.6 | 1.000107 |
| 20000.0 | | -32.8 | -39.5 | 56.0 | 464.6 | | 271.3 | 27.6 | 1.000105 |
| 30500•0 | | -34.2 | -39.9 | 56.0 | 457.3 | | | | 1.000103 |
| 31000.0 | | -35.6 | -41.2 | 56.0 | 450.2 | | | | 1.000101 |
| 31500.0 | | -37.0 | -42.5 | 56.0 | 443.1 | | | | 1.000100 |

| GEODETIC COORDINATES 32,40175 LAT DEG 106.51232 LON DEG | | | | | | | | | | | | | | | |
|--|----------|---------------------------|--------------------|-------|-------|-------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|
| JEODETIC 32,4(106+3) | | <u>-</u> | KNOTS | 1.2 | £.4 | 11.7 | 11.3 | 13.7 | 11.1 | 6•A | 12.1 | 26.2 | 30.1 | 31.8 | |
| | | WIND DATA | DEGISEES (TN) | 172.9 | 559.6 | 246.7 | 239.0 | 239.0 | 266.4 | 253.4 | 781.1 | 279.9 | 569.4 | 271.3 | |
| ivels 35 | | KEL.INUM. | | 21. | 24. | 30 . | 35. | 47. | 41. | 32. | 34. | 51. | 63. | 61. | 26• |
| ANFATORY LEVELS 1460180105 LC-37 | TABLE 14 | TEMPERATURE H DEMPOTHI | DEGREES CENTIGRADE | 1.7 | ₽•• | -2.4 | 6.4- | 9.9- | -12.1 | -16.9 | -21.4 | -22.4 | -25.6 | -32.7 | -42.0 |
| V | TA | TEMPE | NEGREES C | 25.6 | 20.4 | 15.0 | d. 0 | 3.6 | ٦.۶ | -2.7 | -8.4 | -14.5 | -20·# | -27.5 | -37.1 |
| ָ יַּאַר בּיַנ | | OPOTENTIAL | FEET | 4871. | 6602. | 8410. | 10308. | 12305. | 14417. | 16693. | 19149. | 21800. | 54699• | 27899. | 31470. |
| c 4951.37 FEET 1300 HRS M | | PRESSURE GEOPOTENTIAL | MILLIBARS | 850.0 | A09.0 | 750.0 | 700.0 | 0.063 | 0.009 | 550.0 | 500.0 | 450.0 | C•nUti | 350∙0 | 300.0 |
| STALLON ALTITUDE 4951.37 FEET 15L 26 MAY 81 1300 HRS MD 1 ASUN MS WN 105 | | | | | | | | | | | | | | | |

| GEOULTIC COURDINATES 32.48043 LAT DEG 106.37033 LON DEG | | | | | | | | | | | | | | | | | | |
|--|----------|--------------------|------------------------------------|--------|--------|--------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|---------|
| יאַנא | | KEL . HUM. | PERCENT | 16.0 | 27.0 | 51.0 | 37.0 | 0.00 | 0.00 | 37.0 | 58 . N | 38.0 | 48.0 | 0.08 | 0.90 | 70.0 | 58.0 | 43.0 |
| SIGNIFICANT LEVEL DAFA 1460020360 WHITE SARDS | | TEMPERATUNE | AIR DEMPOINT DEGREES CENTIGKADE | 5.5 | 7.0 | 1.9 | -2.8 | a•c- | -7.1 | -16,1 | -15.0 | -19.0 | -24.7 | -20°B | -24.7 | -55.4 | -20.4 | 2.44- |
| SIGNIF 10 14 WH1 | TABLE 15 | | AIR DFGREFS | 32.2 | 28.4 | 10.4 | 11.4 | 3.6 | ٤.٠ | -3.6 | -2.7 | -A.n | -16.3 | -18.2 | -20.0 | -21.4 | -22.4 | -36.2 |
| | | PRESSURE GLOMETRIC | ALTITUDE MILLIBAKS MSL FEET | 3089.0 | 4A3A.5 | 7459.R | 10328.9 | 12934.1 | 14237.6 | 15901.3 | 17044.3 | 19203.2 | 22684.1 | 23538.2 | 24768.8 | 25510.4 | 26130.4 | 31578.3 |
| STATION ALTITUDE 3989.00 FEET MSL 26 HAY 81 191 HKS ND T ASCENSION NO. 369 | | PRESSURE | MILLIBAK | 0.57€ | 850+P | 770.4 | 7.00 L | 635+B | 005.3 | 56A•0 | 9+3+6 | 0.00G | 4.55.4 | 450.6 | 0.00% | 388.0 | 5.475 | 0+00; |

| | HPPER AIR LATA | |
|---|----------------|------------------|
| TAILON ALTITUDE 3989. NU FFFT INSE | 1460020500 | GEODETIC COORDIN |
| 6 HAY BI 151 HRS M DF | WHITE SANDS | 32.40043 LAT |
| Carlo Control | | |

| STAIION AL 26 HAY BI | 1)Dr 39 | 89.nu FF[1 1501 HRS M DF | I ESL MOT | | UPPER AIR DATA 1460020350 WHITE SANDS | Ln TA US | | 0£00£11 32• | GEODETIC COOKUINATES |
|-------------------------|----------------|---------------------------------------|---------------------------------------|-------------------|---|------------------|---------------------------|----------------|----------------------------|
| ASCENSION NO. | 40. 350 | | | Τ- | TABLE 16 | | | 106. | 106 .3 7033 LON DEG |
| GEONE TRIC | PRESSURE | TEMP | TEMPERATURE | REL . HIII. | DENSITY | SPICED OF | MIND DATA | 4 | INDFX |
| AL LITOUE MSL FEET | MILLIUARS | A1K DEGKLES | DEMPOINT CENTICRADE | PERCENT | GM/CURIC METER | SOUND KNO I S | DIKECTION DEGREES (TN) | SPEED KNOTS | OF REFRACTION |
| 3989.0 | 87.00 | 32.2 | 3.2 | 16.0 | 6.466 | 681.9 | 300.0 | 6.0 | 1.000253 |
| +000m | 874.7 | 32.2 | 3.3 | 16.1 | 7.466 | 681 | 2999.6 | 6.6 | 1.000253 |
| 4500.0 | 859.9 | 5.62 | 6.3 | 22.6 | 984+3 | | 293.1 | 10.4 | 1.000259 |
| 5000.0 | 845.2 | 27.9 | 7.3 | 27.2 | 975.n | | 0.782 | 11.0 | 1.000200 |
| 5500.0 | 830.6 | 26.3 | 6.3 | 27.9 | 962.1 | | 281.c | • | 1.000255 |
| 0.0000 | 810.3 | 74.7 | 5.3 | 28∙6 | 950 B | | 270.0 | • | 1.000250 |
| 0.500.0 | 805.2 | 25.1 | E • 0 | 29.4 | 936.6 | | 272.1 | 13.3 | 1.000245 |
| 7000-0 | 780.3 | 21.5 | 2°% | 30.1 | 928.6 | _ | 208.3 | 13.6 | 1.900241 |
| 7500.0 | 774.7 | 19.9 | ₹ | 30.A | 917.7 | | 204.1 | 13.8 | 1.000236 |
| 0.0000 | 0.197 | 18•4 | ۳) • | 31.8 | 4.906 | | 200 · 1 | 34.0 | 1.000232 |
| 8500.0 | (4/+) | 6.0 | ស្ : | 32.9 | 895.0 | _ | 259•1 | 13.8 | 1.00022B |
| 0.0006 | 79407 | 15.4 |) (| 34.0 | 883.7 | 9.790 | 4.762 | 13.7 | 1.000224 |
| 95996 | 700.3 | 13.9 | ۲۰۰۲ ۱ | 35.1 | 8/2.7 | - | 255.48 | • | 1.000220 |
| 1.500.0 | 4.404 | 10.0 | 1000 | 37.0 | 861.8 850.9 | 2.659 | 0.007 | 10.4 | 1.00011 |
| 11000 | 0.000 | F - C | 7.7 |) to 1 | 0 70 1 | | 6.402 | 20.01 | 1.00021 |
| 11500.0 | 670.4 | 7.0 | 70.00 | 0 0 0 0 0 | 9.90.A | | 7. TO 7. | 12.7 | 1.000210 |
| 12000.0 | 650.1 | 5.4 | 4.5 | 45.3 | 818.1 | | 754.0 | 0.55 | 1.000203 |
| 12500.0 | 640.1 | 0.4 | -5.5 | 47.8 | 807.5 | _ | 253.2 | 13,2 | 1.000200 |
| 13000.0 | 634.2 | 3.4 | 6.5- | 50.5 | 797.0 | _ | 252 • 4 | 13.5 | 1.000197 |
| 13500.0 | 622.4 | 1.9 | -6.43 | 54.3 | 780.4 | | 251.0 | 13.8 | 1.000194 |
| 14000.0 | 610.7 | † | -6.8 | 58.5 | 770.0 | - | h•64Z | 14.1 | 1.000191 |
| 14500.0 | 594.3 | K | カ・レー | 56.4 | 765.0 | - | 250.1 | 13.5 | 1.000187 |
| 15000.0 | 587.9 | 9•1- | -11.0 | 7.64 | 753.5 | | 7.75.1 | 12.5 | 1.000181 |
| 15500.0 | 2/0/0 | 6.2 | -13.7 | C • 22 | 742.2 | 641.0 | 7.5.1 | 11.7 | 1.000176 |
| 10000 | 760.8 | ۲. ن | 1.5.0 | 37.1 | 730.2 | | 4.757 | 11.3 | 1.000172 |
| 17000-0 | 4000 | -0.T | | ر ا د و و د | 700. | | 0.002 | 6.11 | 1.0001.0 |
| 0.00471 | 7000 | H | 1.41 | 0.00 | 0.069 | 1.150 | 0.00 | 7 4 6 | 1.00014.1 |
| 0.00081 | 8,004 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | -17-1 | 00° 8% | 679 | | 7-110-7 | 13.7 | 0.1000.4 |
| 10500.0 | 510.0 | | 7.51 | 38.0 | 670-0 | | 2.203 | 14.5 | 1.000157 |
| 1.3000.0 | 6.004 | -7.5 | -17.3 | 58.0 | 2.099 | | 6+80Z | 15.2 | 1.000154 |
| 19500.0 | 491.1 | 7.61- | -201-2 | 30.9 | 650.3 | | 208•1 | 16.2 | 1.000152 |
| 2000 0 2 | ₩• +₩:: | 6-6- | -711.8 | 40.3 | 640.5 | - | 2t.0 • U | 17.5 | 1.000149 |
| Ú•00¢n> | 474.9 | -111.1 | -71.5 | 41.7 | 630.7 | _ | 20703 | 19.5 | 1.000147 |
| 21000.0 | 460.5 | -12.3 | -25.5 | 43.2 | 621.5 | 3.620 | 203.1 | 21.5 | 1.000144 |
| 21590•n | n • 0 S t | -13.5 | -22.9 | 9.44 | 611.3 | 623.0 | 273.2 | 23.6 | 1.900142 |
| 22000.0 | 1. · / 11 | 1-14.7 | -23.7 | 0.91 | 5.209 | | 2,0,2 | 25.5 | 1.000139 |
| 0.00052 | 3 ° 7 ° 3 | 200 | * * * * * * * * * * * * * * * * * * * | ٠٠/ ١٠/ ١٥/ | 503. | 1.929 | 2/4.6 | 26.4 | 1.000137 |
| 2381111111 | | 1 | 1010 | 0.4.0 | 1.4.0 | 2-624 | T • 6.7.2 | 7•Q2 | 1 • 11(1) 1 > 1 |

| | | | | _ | OPPLR AIP U.IA | \ \ \ \ \ \ | | | |
|----------------------|---------------|-----------------|------------------------------------|---------------|---------------------------|----------------|--------------------------|------------------|-----------------------|
| STATION AL | if.1. 101,111 | Agenu Fre | -15- -15- | | 14600 360 | מפ | | OLODL 11 | GLODE TIC COURDINATES |
| 26 11AY (1.1 | - | 1511 : 185 sigi | .o₁ | | WHITE SAIRS | ני | | 32. | 32.40043 LAI LEG |
| ASCENSION | 110. SeA | | | | | | | 106. | 106.37033 LON DEU |
| | | | | • | TABLE 16 CON'T | | | | |
| GFUNETRIC | PRESSURE | d⊠.ij | ERATURE | REL.HIM. | | Portion of | | 1 A | INULX |
| ALTITUDE MSL FEET | HILLIUAPS | AIR DEGNEES | AIR DEMPOINT DEGNEES CENTIGRAPE | PERCENT | PERCENT 6MZCURIC METER | 500MD R1018 | DIRECTION DEGREES(TW) | SPFEI) KIIOTS | OF REFRACTION |
| €3500+€ | 421.3 | -19.1 | -20.9 | 79.6 | 574.8 | 6220 | 277.5 | 26.2 | 1.000135 |
| 74000° | 416.7 | -13.9 | 7-67- | 74.7 | 564.9 | | 273.4 | 26.7 | 1.000132 |
| 24500.0 | †*+ U† | -19•6 | -23.8 | o 9. 1 | 5555-2 | 0.50 | 200.3 | 27.2 | 1.000129 |
| 25000.0 | 390.2 | 4.0%- | -24.9 | 67.2 | 545.8 | | 26.5.3 | 27.9 | 1.000126 |
| 25500.0 | | h•12- | #*42 <u>-</u> | 64.69 | 536.7 | | 0.402 | 28.3 | 1.000124 |
| 0•00na≥ | | -22.2 | -27.7 | 60.5 | 527.5 | | 502.5 | 28.8 | 1.000121 |
| 20200+A | | -23.3 | 4-62- | 57.0 | 518.9 | | 208.3 | 29.4 | 1.000119 |
| 9.000√₹ | | -24.6 | -30.9 | 55.0 | 510.6 | | zn9•1 | 29.1 | 1.000117 |
| 27500.0 | | -25.9 | -32.3 | 2.45 | 4.50c | | 263.3 | 28.4 | 1.000114 |
| 2dn00.9 | | -27-1 | -53.B | 52.9 | 5. 10. 11 | | 209.1 | 27.2 | 1.000112 |
| 24500•n | | n•8८- | -35.2 | 51.5 | 9•08h | | 6.907 | 26.3 | 1.000110 |
| 0.000k2 | | -29.7 | -36.7 | 50.1 | 476.H | | 20Q•2 | 25.9 | 1.000108 |
| 6.9500.0 | | -30.9 | -34.1 | 48.7 | 471.2 | | 203.0 | 27.0 | 1.000106 |
| 30000 | | -34.2 | -33•6 | 47.3 | 463.7 | | 267.0 | 27.9 | 1.000105 |
| 30500•0 | 514.1 | -35.5 | 1.14- | 46.0 | 4.96.4 | | 265.3 | 28.5 | 1.000103 |
| 31000.0 | 301.5 | 2.45- | G•24= | 44.6 | 449.2 | | | | 1.0001.11 |
| 31500.0 | 501.1 | -36.0 | Û•1,1,- | 43.2 | 442.1 | | | | 1.000099 |

| 6E0DLTC C00kDTUATES 32.40043 LAT DEG 106.37033 LON DEG | 3 | 2.5 | | | | | | | | | | | | |
|---|-----------------------|--------------------|-------|-------|--------|--------|--------|--------------|--------|--------|----------------|----------------|--------|-------------|
| of 60t 3 10 | VIO DATA | IN) KNO1S | 10.7 | 10.4 | 13.9 | 13.3 | 13.2 | 13.6 | 12.2 | 15.5 | 24.8 | 27.6 | 27.2 | |
| | irla A Lucia | ULGREES (TN) | 289•0 | 272.0 | 259.4 | 255.0 | 255.4 | 750.0 | 554.4 | 269.5 | 275.4 | 265.6 | 269.1 | |
| VLLS ob is | Kt. L. HUM. | LE KCEN | 27. | -67 | 35. | 37. | 47. | 57. | 38. | 38. | 46. | •60 | 53. | 4 % |
| CIANDATORY LEVELS 1460020300 WHITE SAIDS TABLE 17 | TEMPERATURE | DEGREES CENTIGRADE | 7•6 | 4•1 | 9. | 9•2− | -5.0 | -A-2 | -15.3 | -19.8 | -23.5 | -24.7 | -33.7 | C + 11 11 - |
| 47 | - | DEGREFS O | 28.4 | 22.9 | 17.2 | 11.4 | \$•\$ | ۲ ٠ - | -2.9 | -3.0 | -14.3 | -20.0 | -27.0 | -36.2 |
| 1 ISL MD1 | PRESSURE GEOPOTENTIAL | FELT | 4835. | ∪5°3• | 6407. | 10319. | 12329. | 14452. | 10717. | 19176. | 21631. | 24727. | 27936. | 51515 |
| STALLON ALLITUDE 3989.60 FFET ISL 26 JAY 61 1811 HRS ADT ASCENSION 140. 309 | PRESSING G | MILLIPARS | 9,9G | A03.P | U•U5.4 | 7007 | N-049 | ₽•009 | 0.00€ | U•00S | 6. €05# | ~• 00ti | 350.0 | 3000 |

